

🔍 Title: **JP08287901A2: MANUFACTURE OF POSITIVE ELECTRODE FOR LITHIUM SECONDARY BATTERY**

🔍 Derwent Title: Positive pole for lithium sec. cell for power source of small and light wt. electronic appts. - comprising material contg. at least lithium is vapour deposited on electrode substrate, and oxide film contg. lithium-oxide formed on substrate ([Derwent Record](#))

🔍 Country: JP Japan

🔍 Kind: A

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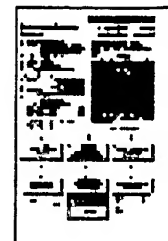
🔍 Abstract: PURPOSE: To provide a manufacturing method of a positive electrode for a lithium secondary battery by which performance of an electrode base body can be improved by improving adhesion of a film being formed with the electrode base body, improving crystallinity of the film, and reducing a defect in the film.

CONSTITUTION: While blowing oxygen gas against a base body S from an oxygen gas supply part 7, or while causing high frequency discharge in a vessel 1, or while irradiating an electromagnetic wave to the base body S from an ultraviolet lamp 9, or while performing operation by combining these with each other, evaporation of a substance 3a containing at least lithium and ion irradiation are performed.

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🔍 Family: None

🔍 Other Abstract: DERABS C97-026741 DERC97-026741



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**Positive pole for lithium sec. cell for power source of small and light wt. el  
comprising material contg. at least lithium is vapour deposited on electrode  
oxide film contg. lithium-oxide formed on substrate**

Patent Assignee: NISSHIN ELECTRICAL CO LTD (NDEN )

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**Patent Family:**

Patent No	Kind	Date	Applicat No	Kind	Date	Week
JP 8287901	A	19961101	JP 9593860	A	19950419	199703 B

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Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
JP 8287901	A	6	H01M-004/04		

**Abstract (Basic): JP 8287901 A**

Method comprises: (a) a material contg. at least Li is vapour deposited on an electrode substrate and simultaneously ions are irradiated on the substrate; and (b) an oxide film contg. at least Li-oxide is formed on the substrate by blowing O<sub>2</sub> on the substrate.

USE - The cell is suitable for power source of smaller size and light wt. electronic appts..

ADVANTAGE - The electrode has improved property since adhesiveness of the oxide film with the electrode substrate is improved.

Dwg.1/1

Title Terms: POSITIVE; POLE; LITHIUM; SEC; CELL; POWER; SOURCE; LIGHT; WEIGHT; ELECTRONIC; APPARATUS; COMPRISE; MATERIAL; CONTAIN; LITHIUM; VAPOUR; DEPOSIT; ELECTRODE; SUBSTRATE; OXIDE; FILM; CONTAIN; LITHIUM; OXIDE; FORMING; SUBSTRATE

Derwent Class: L03; X16

International Patent Class (Main): H01M-004/04

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